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1. REPORT NUMBER [2. GOVT ACCESSION	
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	FINAL rept,
6/	Nov 76 - Mar 78
BASELINE STUDY.	NUMBER
LAUTHOR(+)	8. CONTRACT OF CRANT NUMBER(*)
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Roger C. Hollenbaugh	
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
US Army Depot System Command	
ATTN: DRSDS-E	738017 721112
Chambersburg, PA 17201	12. REPORT DATE
11. CONTROLLING OFFICE NAME AND ADDRESS	// Mar 78
	19: NUMBER OF PAGES
10	60 15. SECURITY CLASS. (of this report)
14. MONITORING AGENCY NAME & ADDRESS(If different from Controlling Office	UNCLASSIFIED
	15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report)	
Approved for Public Release; Distribution Unlim	DDC
	U) JUN 13 1978
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different	t from Report)
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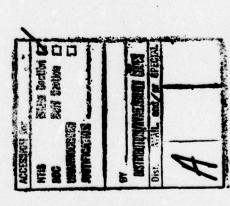
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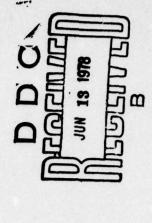
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BRIEFING OUTLINE

SOME BACKGROUND SHOWING THE CURRENT ENVIRONMENT OF DECREASING RESOURCES. THIS BRIEFING WILL FOLLOW THE OUTLINE SHOWN. I WILL FIRST PRESENT THEN THE STUDY CRITERIA AND METHODOLOGY WILL BE DISCUSSED, AND FINALLY THE BASELINE STUDY RESULTS WILL BE PRESENTED.





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DEPOT SYSTEM MANPOWER TREND

GIVEN TO GENERAL D'AMBROSIO. ONE OF THE RECOMMENDATIONS WAS THAT NO FURTHER INITIATED IMMEDIATELY. THIS CHART SHOWS THE TREND OF AUTHORIZED MANPOWER IN ACTIVATED ABOUT ONE MONTH -- IN SEPTEMBER 1976. GENERAL BERGQUIST DIRECTED 25,000 SPACES HAVE BEEN REDUCED DURING THE PAST 10 YEARS --- AN AVERAGE OF CUTS IN THE DEPOT SYSTEM BE AUTHORIZED UNTIL A BASELINE STRENGTH COULD BE ESTABLISHED. THIS RECOMMENDATION WAS APPROVED AND A BASELINE STUDY WAS DESCOM DURING THE PAST 15 YEARS. IT IS SIGNIFICANT TO NOTE THAT ALMOST WAS REDUCED FROM 36,205 TO 34,138. THIS REPRESENTED OVER A 2,000 MAN A STUDY TO DERERMINE THE IMPACTS OF THIS REDUCTION AND A BRIEFING WAS IN OCTOBER 1976, THE CIVILIAN EMPLOYMENT PROJECTION FOR DESCOM CUT AND WOULD HAVE REQUIRED A REDUCTION-IN-FORCE. DESCOM HAD BEEN 187 PER MONTH. THE NEXT CHART SHOWS A COMPARISON OF THE DEPOTS STRENGTH TO THE ACTIVE ARMY.

STRENGTH --- DEPOT VS TOTAL ARMY

THIS CHART SHOWS THE DEPOT STRENGTH AS A FUNCTION OF THE ARMY STRENGTH. REGRESSION LINE -- INDICATING A STRONG RELATIONSHIP AS CONFIRMED BY THE .93 THIS REGRESSION MODEL WAS CONSTRUCTED USING THE 7 DATA POINTS REPRESENTING FY 68 THROUGH FY 74. NOTE THAT DATA POINTS CLUSTER CLOSELY AROUND THE CORRELATION COEFFICIENT.

HOWEVER, AS ACTIVE ARMY STRENGTH STABILIZED AT AROUND 785,000 IN 1974, OBSERVE THAT THE DECREASES PLOTTED ARE WELL BELOW THE REGRESSION LINE. WE DEPOT STRENGTH CONTINUED TO REDUCE AS SHOWN BY THE FY 75 - 78 DATA POINTS. WILL USE THIS CHART LATER IN THE BRIEFING TO VALIDATE OUR RECOMMENDED

BASELINE STUDY MILESTONES

MAY 1977 THE ANNISTON PILOT STUDY WAS COMPLETED. IN EARLY JUNE THE DEPOTS BY THE DCGMR. ALL THE DEPOTS CONDUCTED AND COMPLETED THEIR PILOT STUDY AND ITS METHODOLOGY WERE APPROVED FOR EXTENSION TO ALL BASELINE STUDIES BY OCTOBER 1977. IN FEBRUARY 1978 THE VALIDATION THE BASELINE STUDY WAS "KICKED OFF" IN LATE OCTOBER 1976. BY AND CONSOLIDATION OF THE INDIVIDUAL DEPOT STUDIES WERE COMPLETED, AND THE DCGMR WAS BRIEFED ON 15 FEBRUARY 1978. GENERAL GUTHRIE AND GENERAL JOHANSEN WERE BRIEFED ON 7 MARCH 1978 AT THE DEPOT COMMANDERS CONFERENCE.

NEXT, WE WILL DISCUSS THE STUDY CRITERIA AND TECHNIQUES.

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PURPOSE

AND SURGE CAPABILITY AND AT THE SAME TIME MAXIMIZE PEACETIME EFFICIENCY. THE PURPOSE OF THIS STUDY IS TO DETERMINE AND DEFEND THE BASELINE MANPOWER LEVEL REQUIRED BY DESCOM TO ACHIEVE AN ADEQUATE MOBILIZATION THIS BRIEFING WILL PROVIDE THE RESULTS OF THE DEPOT SYSTEM COMMAND'S BASELINE STUDY.

MOBILIZATION REQUIREMENTS - DEVELOPMENT METHODOLOGY

HERE AND HAVE BEEN REFINED WITH CONTINUOUS INTERACTION AMONG DESCOM, DARCOM AND MOBILIZATION REQUIREMENTS WERE DEVELOPED FOLLOWING THE APPROACH OUTLINED

RESERVE SHORTAGES, THEATER RETROGRADE, TRAINING REQUIREMENTS AND REQUIREMENTS ESTIMATES REQUIREMENTS WILL REQUIRE CONTINUED REFINEMENT DUE TO THE DIFFICULTY ENCOUNTERED IN ARTICILIATION AND THE LACK OF DETAILED MOB GUIDANCE, STANDARD METHODOLOGY AND BASELINE STUDY WERE LOG PLAN 4102 REQUIREMENTS, TOE/POMCUS & PREPOSITIONED WAR INCLUDED IN THE MOBILIZATION REQUIREMENTS DEVELOPED BY THE MRC'S FOR THE BASED ON VIETMAN AND YOM KIPPUR CONFLICTS. NEVERTHELESS, THESE MOBILIZATION UNIFORMITY AMONG THE MRC'S.

GENERAL SUPPLIES MOB GUIDANCE. THIS IS DEFINATELY A GOOD ACTION AND WE WILL PUBLISHED MOB GUIDANCE FOR MAINTENANCE AND IS IN THE PROCESS OF PROVIDING RECOGNIZING THESE DIFFICULTIES, HO DARCOM HAS RECENTLY DEVELOPED AND

MOB REQUIREMENTS - DEVELOPMENT METHODOLOGY (CONTD)

UPDATE THE RESULTS OF THIS STUDY WITH THE MOB REQUIREMENTS BASED ON THIS NEW GUIDANCE WHEN THEY ARE AVAILABLE.

MOBILIZATION PLANNING CRITERIA

PURPOSES, THE MOBILIZATION POSTURE IS BASED PRIMARILY UPON THE MUMBER THROUGHOUT THE STUDY, AVAILABILITY OF REPAIR PARTS, THE INEFFICIENCY CRITERIA ARE BASED ON OSD AND DARCOM MOBILIZATION PLANNING GUIDANCE. TIME TO RECRUIT AND TRAIN PERSONNEL, WERE CONSIDERED. FOR PRACTICAL OF SHIFT OPERATIONS, BOTH IN PEOPLE AND FACILITIES, AS WELL AS THE MOBILIZATION PLANNING CRITERIA IS SHOWN ON THIS CHART. THESE OF PEOPLE AVAILABLE ON M-DAY. OUR CAPABILITY TO SURGE IS LIMITED PRIMARILY TO OVERTIME OF ON-BOARD PERSONNEL.

NEXT, AN EXPLANATION OF THE READINESS CONDITIONS.

READINESS CONDITION (REDCON) CRITERIA

OF REDCON LEVELS AND PERCENTAGES. THE READINESS PERCENTAGE IS DEPOT READINESS FOR MOBILIZATION IS STATED BOTH IN TERMS COMPUTED AS SHOWN BY THE BOTTOM EQUATION, THEN THE READINESS PERCENTAGE IS TRANSLATED TO THE APPROPRIATE REDCON LEVEL BY USING THE TABLE SHOWN. THESE REDCON CRITERIA ARE THOSE SPECIFIED IN AR 220-1, UNIT READINESS.

WORK STANDARDS DEVELOPMENT

CONSUMED. IN MAINTENANCE, STANDARDS WERE ADJUSTED FOR NEW FACILITY PRODUCTIVITY ACHIEVED UNDER MOBILIZATION CONDITIONS. DURING MOBILIZATION, I.E., STATE OF APPLIED AND OTHER VARIABLES SUCH AS WORKLOAD VOLUME AND MIX CHARACTERISTICS EMERGENCY, THE LESS ESSENTIAL FUNCTIONS AND NON-RECURRING PROGRAMS WILL BE GAINS FOR APPROVED MCA PROJECTS. IN SUPPLY, ECONOMY OF SCALE FACTORS WERE POINT, A VALIDATION PROCESS WAS PERFORMED DOWN TO THE OPERATION CODE LEVEL TRANSLATING THE WORKLOAD INTO PERSONNEL REQUIREMENTS, A DETAILED ANALYSIS OF THE STANDARDS WAS CONDUCTED. USING THE SINGLE STANDARDS AS A STARTING AND COMPARISONS WERE MADE WITH HISTORICAL INFORMATION ON ACTUAL MANHOURS WERE ANALYZED IN DETERMINING THE MINIMUM MANHOURS PER UNIT THAT COULD BE SINCE THE DEPOT DIRECT LABOR MANHOUR STANDARDS ARE ESSENTIAL TO ACCOMPLISHED ON A LOWER PRIORITY. (CONT'D)

WORK STANDARDS DEVELOPMENT (CONTD.

ALL OF THESE CONSIDERATIONS HAVE SERVED TO DECREASE THE PEACETIME STANDARDS BETWEEN 25 - 30%, THESE MOB WORK STANDARDS WERE THEN USED IN THE RELATIONSHIPS SHOWN ON THE NEXT SLIDE TO DETERMINE THE MANPOWER REQUIREMENTS.

MOB MANPOWER DEVELOPMENT

MOB MANPOWER REQUIREMENTS WERE DEVELOPED USING THE FORMULA SHOWN HERE.

HQ FORSCOM. REFINEMENT AND CONFIRMATION OF THIS INITIAL ESTIMATE IS ONGOING WITH FT. BRAGG, FT. RILEY, FT. CARSON, FT. POLK AND THE SUPPORT REQUIRED BY FORSCOM'S DEPLOYING UNITS IS AN INITIAL ESTIMATE WHICH WAS DEVELOPED IN COORDINATION WITH FT. HOOD. THE RESULTS OF OUR STUDY WILL BE DISCUSSED NEXT. FIRST, LET'S LOOK AT OUR PEACETIME CAPABILITY AND EFFICIENCY.

DESCOM PEACETIME CAPABILITY

ECONOMICAL PEACETIME STRENGTH WHILE ACHIEVING THE BEST MOBILIZATION READINESS EARLIER, ONE OF THE PURPOSES OF THE BASELINE STUDY WAS TO DETERMINE THE MOST SHOWN ON THIS CHART. FOR THE MOST PART, THE PERCENT CAPABILITY IS THE POSTURE. THE NEXT FIVE CHARTS VALIDATE THE FY 78 PEACETIME SUPPLY AND RESULT OF A WORKLOAD TO AUTHORIZED MANPOWER COMPARISON. AS MENTIONED OUR PEACETIME CAPABILITY TO ACCOMPLISH THE FY 78 WORKLOAD IS MAINTENANCE WORKLOAD.

SUPPLY VALIDATED WORKLOAD

FIRST, THESE REGRESSION CHARTS ARE USED TO VALIDATE THE FY 78 SUPPLY WORKLOAD, ARRIVED AT A VALIDATED MANHOUR REQUIREMENT OF 9.11 MILLION MANHOURS FOR THE AOD'S WHICH INCLUDES AMMUNITION. SINCE THE AREA ORIENTED DEPOTS, AOD'S, ARE LINE ITEM TO DEVELOP THE MODEL. FOR THE NON-AOD'S, TONNAGE DATA BEGINNING WITH FY 74 WAS USED. IN BOTH CASES, HIGH CORRELATIONS WERE DERIVED. NOW, APPLYING THE FY 78 SEPARATELY. ON THE LEFT GRAPH, LINE ITEM VOLUMES FROM FY 74 FORWARD WERE USED WORKLOAD FORECAST DATA, DEPICTED BY THE VERTICAL DOTTED LINE, TO THE MODEL, WE ORIENTED AND THE NON-AOD'S ARE TONNAGE ORIENTED, WE COMPUTED THE REGRESSIONS AND 8.35 MILLION FOR THE NON-AOD'S.

OUR CURRENT BACKLOG. THIS BACKLOG WILL INCREASE IN FY 78 AS A RESULT OF FUNDING DIRECT AND INDIRECT PERSONNEL BUT EXCLUDES INSTALLATION SUPPORT; I.E., OVERHEAD. BY TRANSLATING MANHOURS TO MANYEARS, WE COMPUTED A TOTAL OF 10,169 MANYEARS REQUIRED TO ACCOMPLISH THE FY 78 FORECASTED WORKLOAD. TO THIS FIGURE, WE ADDED CONSTRAINTS. THE TOTAL DEPOT SYSTEM REQUIREMENT IS 11,384. THIS INCLUDES BOTH

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DESCOM SUPPLY AIF CURVE

SINCE THE ARMY INDUSTRIAL FUND RATE IS A MEASURE OF THE OPERATING EFFICIENCY OF A DEPOT, WE USED IT TO ASSESS OUR PEACETIME EFFICIENCY.

DLH WITH 10,061 PEOPLE AUTHORIZED. THIS \$19.56 PER HOUR RATE INCLUDES EFFICIENCIES. THE AREA OF EFFICIENCY LIES IN THE RANGE OF 80 - 125% RECOVERY RATE. IF WE COULD RAISE OUR LEVEL OF EFFORT TO SUPPORT THE DIRECT MATERIAL AND OTHER DIRECT COSTS IN ADDITION TO THE BASIC AIF UTILIZATION OF ONE SHIFT. WE ARE PRESENTLY OPERATING AT \$19.56 PER REDUCTION IN THE RATE. NOW, LET'S LOOK AT A SIMILAR AIF CURVE FOR THIS SUPPLY AIF CURVE WAS CONSTRUCTED USING HISTORICAL DATA VALIDATED WORKLOAD - 11,384 MANYEARS - WE WOULD ACHIEVE A 4.5% POINTS FOR FY 74 - 77 AND THE OSD PLANNING CRITERIA FOR SHIFT MAINTENANCE.

DESCOM MAINTENANCE AIF CURVE

\$30.12 CONTAINED IN THE FY 78 AIF BUDGET. THE AREA OF EFFICIENT OPERATION MANPOWER -- ABOUT 22,000 -- MAS AUTHORIZED TO EXECUTE THE FY 78 PLANNED DIRECT LABOR PROGRAM, THE AIF RATE WOULD DROP 9.5% TO \$26.78 PER DIRECT AUTHORIZED MANPOMER LEVEL OF 16,870. THIS COMPARES FAVORABLY WITH THE LABOR HOUR. NOTE THAT THIS LEVEL OF EFFORT WOULD PLACE US IN THE AREA THE AIF RATE FROM OUR MODEL IS \$29,48 PER DLH FOR THE CURRENTLY FOR MAINTENANCE IS ABOUT THE SAME AS IT WAS FOR SUPPLY. IF ADEQUATE OF EFFICIENCY.

THE NEXT CHART SHOWS THESE RATES ON THE TOTAL COST CURVE.

VALIDATED MAINTENANCE MANYEARS

ON THE PREVIOUS CHART. THE TABLE INSET AT THE RIGHT SHOWS THE FY 78 CARRYIN AND DLH. HOWEVER, IF WE HAD 21,937 MANYEARS AVAILABLE, WE WOULD EXECUTE THE PROGRAM \$29,48/HR - THE RATE PROJECTED FOR THE CURRENT LEVEL OF EFFORT. BY SUBTRACTING 16,870 MANYEARS -- WE WILL EXECUTE ONLY 77% OF THE PROGRAM AT A RATE OF \$29.48/ THIS AIF TOTAL COST MODEL WAS CONSTRUCTED USING THE AIF AVERAGE RATE CURVE THE OPTIMUM THREE MONTHS CARRYOVER, WE FIND THAT 21,937 MANYEARS ARE REQUIRED CONTAINS THE NUMBER OF MANYEARS THESE DOLLARS WILL FINANCE AT THE AIF RATE OF FY 78 NEW ORDERS FOR A TOTAL OF OVER 1 BILLION DOLLARS. THE SECOND COLUMN AT \$26.78/DLH -- A 9.5% RATE REDUCTION -- AND A SAVINGS OF \$121 MILLION --TO EXECUTE THE FY 78 PLANNED PROGRAM. NOW USING OUR CURRENT CAPABILITY \$804 MIL LESS \$683 MIL.

THIS COMPLETES THE DISCUSSION OF THE SUPPLY AND MAINTENANCE MISSION AREAS. NEXT, WE CONSIDER INSTALLATION SUPPORT REQUIREMENTS.

INSTALLATION SUPPORT PEOPLE VS. MISSION STRENGTH

THE GENERAL SUPPLY AND MAINTENANCE MISSION AREAS. NOW WE WILL DEVELOP AND VALIDATE THE INSTALLATION SUPPORT REQUIRED TO SUPPORT THESE MISSIONS. THIS CHART SHOWS THE FIXED AND VARIABLE INSTALLATION SUPPORT MANPOWER AS A FUNCTION OF MISSION TO THIS POINT, WE HAVE DISCUSSED THE VALIDATED MANPOWER REQUIREMENTS OF

THE TOP REGRESSION LINE WAS CONSTRUCTED USING ACTUAL DATA FROM FY 69 THROUGH TOGETHER WITH THE FIXED OVERHEAD -- THE DOTTED LINE AT THE BOTTOM OF THE CHART --FY 75 -- THERE IS A HIGH CORRELATION OF 0.96. FROM FY 75 TO FY 77, SIGNIFICANT REDUCTIONS WERE MADE IN INSTALLATION SUPPORT OVERHEAD THROUGH CONCISE ACTIONS. AS A RESULT, THE TOP REGRESSION CURVE MODEL HAS SHIFTED DOWNWARD. THIS MODEL IS CONSIDERED VALID FOR DETERMINING BASELINE STRENGTH FOR OVERHEAD PERSONNEL.

FY 78 VALIDATED WORKLOAD

VALIDATED PEACETIME WORKLOAD, 43,255 MANYEARS OF EFFORT WOULD BE REQUIRED. IN SUMMARY, TO EFFICIENTLY AND ECONOMICALLY ACCOMPLISH THE FY 78

REQUIRED TO ACCOMPLISH THE VALIDATED FY 78 WORKLOAD, WE TURN TO OUR ANALYSIS AND DETERMINATION OF THE BASELINE STRENGTH REQUIRED TO SUPPORT MOBILIZATION. NOW, HAVING ESTABLISHED THE EFFICIENT PEACETIME BASELINE STRENGTH WE DISCUSS FIRST GENERAL SUPPLIES.

DESCOM - COST OF READINESS (GENERAL SUPPLIES)

THIS CHART SHOWS DIRECT LABOR REQUIREMENTS AS A FUNCTION OF READINESS.

WITH OUR CURRENTLY AUTHORIZED DIRECT LABOR STRENGTH OF 7,677, DESCOM PEOPLE AND COSTS TO ACHIEVE REDCON 1 AND 2 POSTURES ON M-DAY ARE SHOWN, E.G., AN ADDITIONAL 1,816 DIRECT LABOR PEOPLE AND 61.3 MILLION DOLLARS WILL BE REDCON 3 - 78% READY ON M-DAY. THE NUMBERS OF DIRECT LABOR WOULD BE REQUIRED FOR REDCON 1. NOW, LET'S LOOK AT OUR CAPABILITY TO ACCOMPLISH THE MOB WORKLOAD WITH OUR CURRENTLY AUTHORIZED PEACETIME WORK FORCE.

DESCOM SUPPLY MOB CAPABILITY

REPRESENTS THE INCREASE IN CAPABILITY WE ACHIEVE AS A RESULT OF HIRING. SIMILARLY, WILL BE ALLOCATED TO AMMUNITION OPERATIONS. AFTER THE FIRST MONTH, NEW HIRES WILL FROM 84 HOURS TO 60 HOURS. DURING THE FIRST MONTH OF MOBILIZATION, ALL NEW HIRES THIS CHART SHOWS OUR CAPABILITY TO ACCOMPLISH THE GENERAL SUPPLY MOBILIZATION NOTE THE DECREASE IN OVERTIME IN THE THIRD MONTH IS DUE TO REDUCING THE WORK WEEK WORKLOAD. SHORTFALLS, SHOWN IN RED AT THE TOP OF THE BAR, FROM A PREVIOUS MONTH THE GREEN SEGMENT REPRESENTS THE INCREASE IN CAPABILITY DUE TO WORKING OVERTIME. BE AVAILABLE FOR GENERAL SUPPLIES AND MAINTENANCE OPERATIONS. IT IS RECOGNIZED CURRENT AUTHORIZED STRENGTH IS SHOWN IN BLUE. THE YELLOW SEGMENT OF EACH BAR THAT THE CAPACITY OF THE SHIPPING NETWORK EXTERNAL TO THE DEPOTS MAY ALSO BE LIMITING FACTOR. THE NEXT CHART DISPLAYS OUR GENERAL SUPPLIES CAPABILITY IN ARE ADDED TO THE MOB REQUIREMENT OF THE FOLLOWING MONTH - THE ARROW ADJACENT TO THE BAR SHOWS CURRENT MONTH REQUIREMENT. THE BASELINE CAPABILITY OF OUR PERCENTAGES.

DESCOM SUPPLY MOB CAPABILITY - PERCENTAGES

UPON OUR CAPABILITY DUE TO REDUCING THE WORK WEEK FROM 84 TO 60 HOURS IN THE THIS CHART DISPLAYS IN PERCENTAGES OUR CAPABILITY TO ACCOMPLISH THE SUPPLY MOBILIZATION WORKLOAD SHOWN ON THE PREVIOUS CHART. THE IMPACT THIRD MONTH IS READILY OBSERVABLE. WE CONSIDER OUR GENERAL SUPPLY MOBILIZATION READINESS AND CAPABILITY TO BE CAUSE FOR CONCERN.

DESCOM COST OF READINESS (MAINTENANCE)

TO EXECUTE THE FY 78 PROGRAM. IN FY 79, THE DEPOT MAINTENANCE RATIONALIZATION OUR READINESS CONDITION IN MAINTENANCE IS REDCON 4 - 53 PERCENT READY -A REDCON 2. OVER 3,500 OF THESE DIRECT LABOR PERSONNEL COULD BE USED NOW STUDY WILL BE IMPLEMENTED, SOME MODERNIZATION PROJECTS WILL BE COMPLETED PEOPLE. ALMOST 8,000 DIRECT LABOR PERSONNEL WOULD BE NEEDED TO ACHIEVE WITH OUR CURRENTLY AUTHORIZED BASELINE STRENGTH OF 11,800 DIRECT LABOR AND OTHERS STARTED WHICH WILL GIVE US A GREATER PRODUCTIVITY. MAINTENANCE MOBILIZATION POSTURE SHOULD CONTINUE TO IMPROVE.

DESCOM MAINTENANCE MOB CAPABILITY

THIS CHART DISPLAYS DESCOM'S CAPABILITY TO SATISFY THE MAINTENANCE MOBILIZATION THE TOP OF EACH BAR WAS ADDED TO THE MOB REQUIREMENT OF THE FOLLOWING MONTH: THE AMMO MISSION. HERE, ALSO, THE REDUCTION IN CAPABILITY DUE TO OVERTIME OBSERVED REQUIREMENT. HERE, AS WAS THE CASE IN GENERAL SUPPLIES, THE SHORTFALL IN RED ARROW INDICATES THE CURRENT MONTH REQUIREMENT. BASELINE CAPABILITY RESULTANT IN THE THIRD MONTH IS CAUSED BY THE REDUCTION IN THE WORK WEEK FROM 84 TO 60 FROM OUR CURRENT MANPOWER AUTHORIZATION IS SHOWN IN BLUE. INCREASES IN THIS BASELINE CAPABILITY DUE TO HIRING AND OVERTIME ARE SHOWN IN YELLOW AND GREEN RESPECTIVELY. THE HIRES IN THE FIRST MONTH ARE AT DEPOTS WHERE THERE IS NO

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DESCOM MAINTENANCE MOB CAPABILITY - PERCENTAGES

THREE MONTHS IS DUE TO THE CONTINUED GROWTH IN THE SHORTFALL THROUGH THE FOURTH THIS CHART DISPLAYS DESCOM'S CAPABILITY TO SATISFY THE MOB REQUIREMENT IN MONTH, THE GROWTH IN OUR CAPABILITY DUE TO NEW HIRES AND OVERTIME REVERSES THE PERCENTAGES. THE DOWNWARD TREND IN CAPABILITIES OBSERVED THROUGH THE FIRST MONTH AT A RATE WHICH EXCEEDS THE GROWTH IN OUR CAPABILITY. IN THE FOURTH

OF DEPLOYING UNITS. BEYOND THE THIRD OR FOURTH MONTHS. THE ACTUAL RATE OF RETURNS WILL DETERMINE, TO A LARGE DEGREE, THE SIZE OF THE WORKLOAD. RETROGRADE WILL BE TRANSPORTATION FOR UNSERVICEABLE EQUIPMENT TO CONUS. THIS IS AN AREA THAT WILL ABOUT 7% OF THE INITIAL MAINTENANCE MOBILIZATION REQUIREMENT IS IN SUPPORT DEPENDENT IN PART UPON THEATER MAINTENANCE CAPABILITY AND THE AVAILABILITY OF REQUIRE CONTINUED REFINEMENT. . 3

TOTAL DESCOM BASELINE STRENGTH VS FY 78 AUTH

STRENGTH PROJECTION). SIMILAR FIGURES ARE SHOWN FOR REDCON 1. IT IS INTER-TO THAT STRENGTH REQUIRED TO ACHIEVE REDCON 1 AND 2 POSTURES. AT THE LEFT, 7 DAYS A WEEK, 12 HRS A DAY -- IS 49,697. THE SHORTFALL IS THE DIFFERENCE ESTING TO NOTE THAT THE REDCON 1 BASELINE STRENGTH IS ONLY SLIGHTLY LARGER TO SUMMARIZE, THIS CHART COMPARES THE TOTAL AUTHORIZED DESCOM STRENGTH THE FY 78 AUTHORIZATION INCLUDES DIRECT, INDIRECT AND INSTALLATION SUPPORT PERSONNEL. THE REDCON FOR THE CURRENT STRENGTH IS SHOWN. UNDER REDCON 2, BETWEEN THE BASELINE STRENGTH AND THE FY 78 AUTHORIZED CEP (CIVILIAN END THE BASELINE STRENGTH REQUIRED TO MEET THE INITIAL SURGE REQUIREMENTS --THAN THE STRENGTH OF THE DEPOT SYSTEM AT THE PEAK OF THE VIETNAM WAR.

STRENGTH DEPOT VS TOTAL ARMY

EARLIER IN THIS BRIEFING WE CALLED TO YOUR ATTENTION THE FACT THAT THE DEPOT SYSTEM'S WORK FORCE HAD CONTINUED TO DECLINE, WHILE THAT OF THE GREEN SUIT ARMY HAD STABILIZED AT AROUND 785,000. ALSO, REMEMBER WE ESTABLISHED THE FACT THAT THE EFFICIENT, ECONOMICAL ACCOMPLISH-MENT OF THE FY 78 VALIDATED PEACETIME WORKLOAD REQUIRES A TOTAL DEPOT STRENGTH

OF DEPOT STRENGTH REQUIRED TO ACCOMPLISH THE VALIDATED PEACETIME WORKLOAD AND TO MAJOR IMPROVEMENT IN OUR MOBILIZATION READINESS POSTURE AS WE WILL SHOW NEXT, IT NOW, LET'S LOOK AT THIS SAME REGRESSION CHART TO SHOW THE RELATIVE POSITION STRENGTH OF 43,255 FALLS SLIGHTLY BELOW THE REGRESSION LINE -- ABOUT 2%. SINCE ACHIEVE REDCON 1 AND 2 POSTURES. FIRST, USING THE HISTORICAL REGRESSION CURVE 774,200, THE DEPOT STRENGTH WOULD BE 44,111. OUR PEACETIME VALIDATED WORKLOAD THE 43,255 CAN BE EFFICIENTLY AND ECONOMICALLY EMPLOYED, AND SINCE IT PROVIDES AND THE ACTIVE ARMY STRENGTH FOR FY 78 CONTAINED IN THE PRESIDENT'S BUDGET OF IS RECOMMENDED THE DEPOT BASELINE STRENGTH BE ESTABLISHED AT 43,255.

STRENGTH DEPOT VS TOTAL ARMY (CONT'D)

WITH THE FY 78 ACTIVE ARMY FORCE OF 774,200. MOREOVER, THIS MOBILIZATION FORCE OF 1.6 MILLION - THAT AT THE HEIGHT OF VIETNAM, IT IS INCONSISTENT BASELINE STRENGTH COULD NOT BE EFFICIENTLY AND ECONOMICALLY UTILIZED IN NOTICE THAT ALTHOUGH THE BASELINE STRENGTH REQUIRED TO SUPPORT A MOBILIZATION REDCON 1 STATUS WOULD BE CONSISTENT WITH AN ACTIVE ARMY PEACETIME.

COST OF READINESS/MOB CAPABILITY WITH RECOMMENDED BASELINE -- GENERAL SUPPLIES

DUE TO THE CHANGE FROM AN 84 TO 60 HOUR WORK WEEK, STEADILY IMPROVES WITH TO 88% AS SHOWN AT THE UPPER LEFT OF THIS CHART. ALSO, AS SHOWN AT THE WITH THE RECOMMENDED GENERAL SUPPLY BASELINE DIRECT LABOR STRENGTH OF 8,687, M-DAY REDCON IMPROVES TO C-2 AND READINESS IMPROVES FROM 78% LOWER RIGHT, OUR CAPABILITY, RATHER THAN DECLINING IN THE THIRD MONTH A 100 PERCENT POSTURE BEING ACHIEVED IN THE FOURTH MONTH.

COST OF READINESS/MOB CAPABILITY - MAINTENANCE (RECOMMENDED BASELINE)

C-4 WITH OUR RECOMMENDED BASELINE DIRECT LABOR STRENGTH OF 15,760; BUT FOR MAINTENANCE, AS SHOWN AT THE UPPER LEFT, M-DAY REDCON REMAINS AS SHOWN AT THE LOWER RIGHT, OUR MAINTENANCE MOB CAPABILITY IS ENHANCED SIGNIFICANTLY WITH A 90 PERCENT POSTURE BEING VERY NEARLY ACHIEVED READINESS IMPROVES FROM 53% TO 72% -- AN INCREASE OF NEARLY 20%. BY M+5 AND A 100 PERCENT POSTURE BEING ACHIEVED BY M+6.

ON GOING EFFORTS

THE ACTIONS SHOWN ON THIS CHART ARE ON-GOING.

REQUIREMENTS. ALSO, THE SHORTFALL OF MATERIAL HANDLING EQUIPMENT TO HANDLE LARGE WE WILL CONTINUE TO WORK WITH ARRCOM TO SMOOTH AMMUNITION MOBILIZATION TONNAGES DURING MOBILIZATION IS BEING ASSESSED.

ADDITION, A STUDY IS IN PROCESS TO USE THE NATIONAL GUARD TRANSPORTATION AIRCRAFT WE HAVE IDENTIFIED THE SKILLS AND TYPES OF RESERVE UNITS THAT COULD BE USED DURING MOBILIZATION. A LIST OF THESE TYPE UNITS HAS BEEN FURNISHED DARCOM. REPAIR SHOPS TO AUGMENT THE AIRCRAFT DEPOT MAINTENANCE DURING MOBILIZATION.

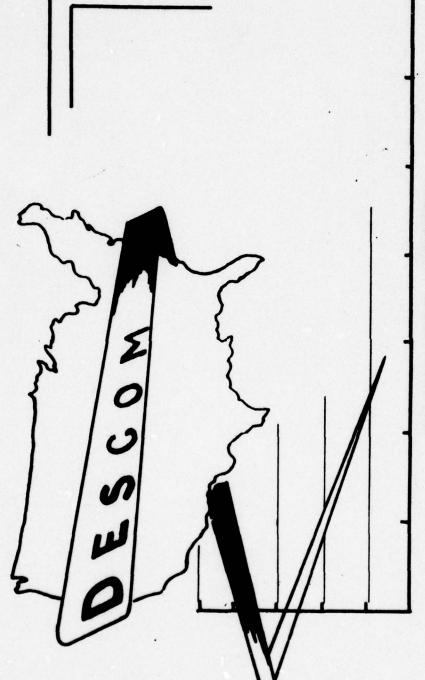
THERE IS A NEED TO CONTINUALLY REFINE MOBILIZATION REQUIREMENTS. GUIDANCE FROM DARCOM WILL HELP TO DEFINE AND COMPUTE REQUIREMENTS.

BEING GIVEN TO EVALUATING COMMERCIAL CONTRACT CAPABILITY TO HANDLE MOB OVERLOADS. MODERNIZATION PLANS TO ACHIEVE GREATER PRODUCTIVITY. FINALLY, CONSIDERATION IS DESCOM WILL CONTINUE TO RATIONALIZE THE MISSIONS & WORKLOAD AND DEVELOP

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DEC 197.

DEC 18

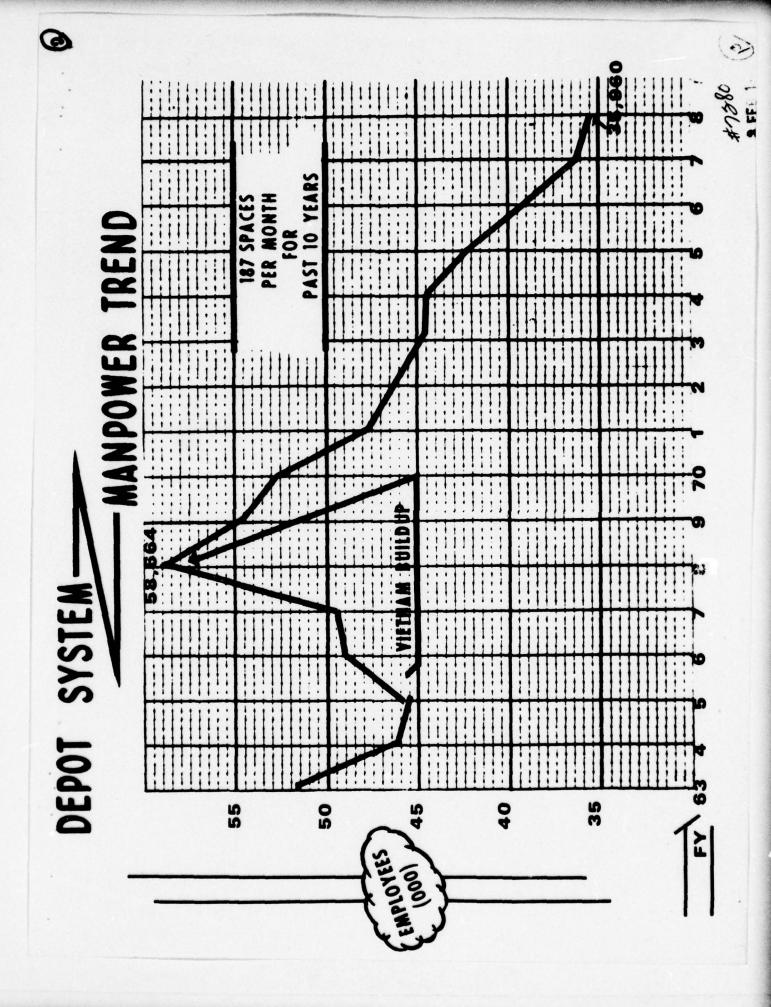


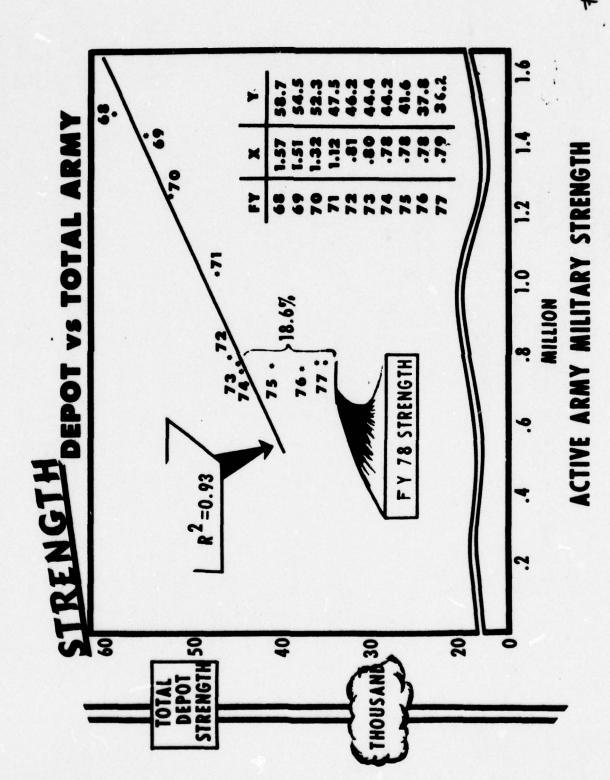
BASELINE STUDY

BRIEFING OUTLINE

- BACKGROUND
- STUDY CRITERIA AND TECHNIQUES
- PEACETIME READINESS AND EFFICIENCY
- MOB READINESS
- RECOMMENDATIONS

#78.354 23 FEB 1570





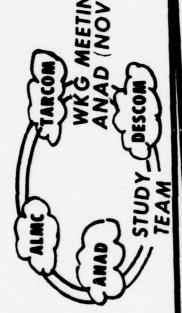
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8 FEB 1978

14 FEB 1978

BASELINE STUDY MILESTONES

ESTABLISH BASELINE STUDY GROUP (OCT 76)



CONDUCT PILOT STUDY AT ANAD (NOV 76 -

DARCOM DCGMR (9 JUN 77)
APPROVED PILOT STUDY

CONDUCT STUDY OF ALL DEPOTS (JUN 77 - OCT77)

COMPLETED
DESCOM BASELINE STUDY
(FEB 78)

BRIEFED GEN D'AMBROSIO (15 FEB 78)

BRIEFED GEN GUTHRIE (7 MARCH 78)

BRIEFED GEN JOHANSEN (7 MARCH 78) 477-2193-A

PURPOSE

DETERMINE AND DEFEND MANPOWER LEVELS

for

PEACETIME EFFECIENCY

ADEQUATE

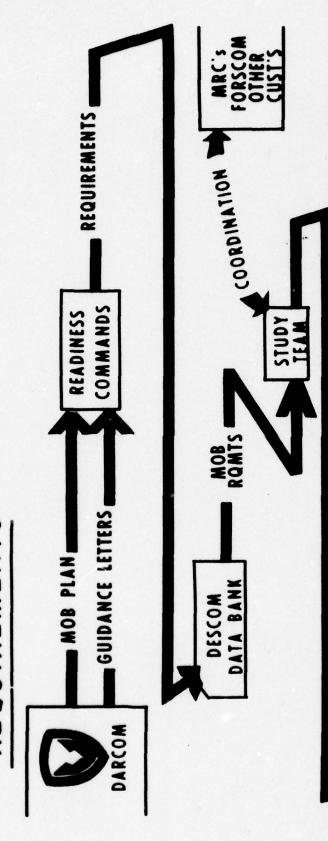
MOB/SURGE CAPABILITY

M. Alle Bufis

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MOBILIZATION REQUIREMENTS

DEVELOPMENT METHODOLOGY



UPDATED MOB

4 M-3169

9

(3)

MOBILIZATION PLANNING CRITERIA

NO \$ CONSTRAINTS OR MANPOWER CEILING

REPAIR PARTS/MATERIALS ARE AVAILABLE

DETERMINE MANPOWER BASED ON:

• SHIFT < 60 HR/WEEK - 93 % EFFIC. 84 HR/WEEK - 86% EFFIC.

.2nd 8Hrs - 80% 3rd 8 Hrs - 60% 1st 8Hrs - 100%

• FACILITY UTILITY -

• LEARNING CURVE

. MOB HIRING PLAN

FUG-UUH AS DEC. 1971

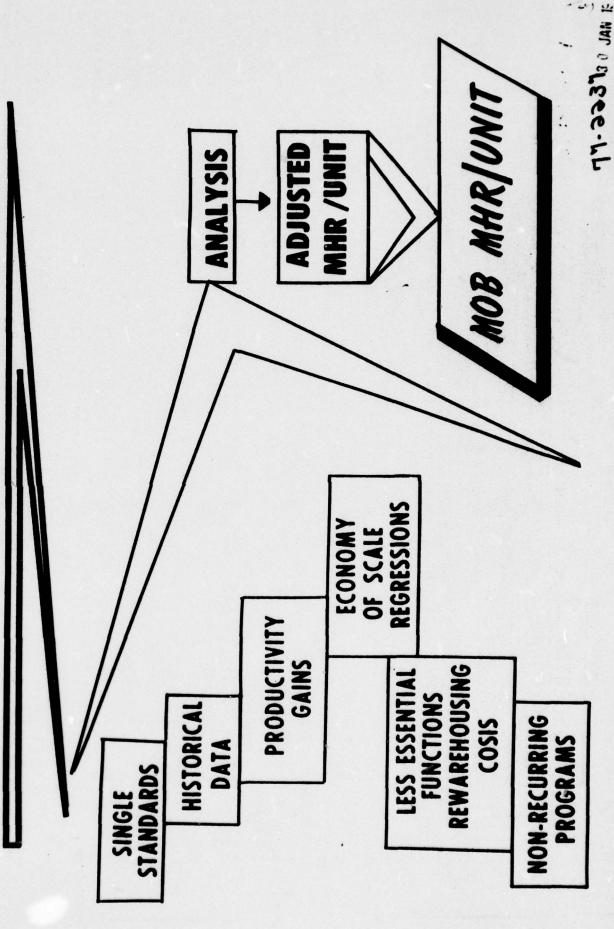
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READINESS CONDITION (REDCON) CRITERIA

READINESS STATUS	FULLY READY	SUBSTANTIALLY READY	MARGINALLY READY	NOT READY	
CRITERIA	ABOVE 95.0%	85.0% TO 94.9%	75.0% TO 84.9%	BELOW 75%	
REDCON	5	C-2	6-3	3	

%001 READINESS = REQUIREMENT #18-523

MOB WORK STANDARD DEVELOPMENT



MOB MANPOWER DEVELOPMENT

DIRECT LABOR MANPOWER

DIRECT
LABOR
FOR
DEPLOYING
UNITS

INDIRECT

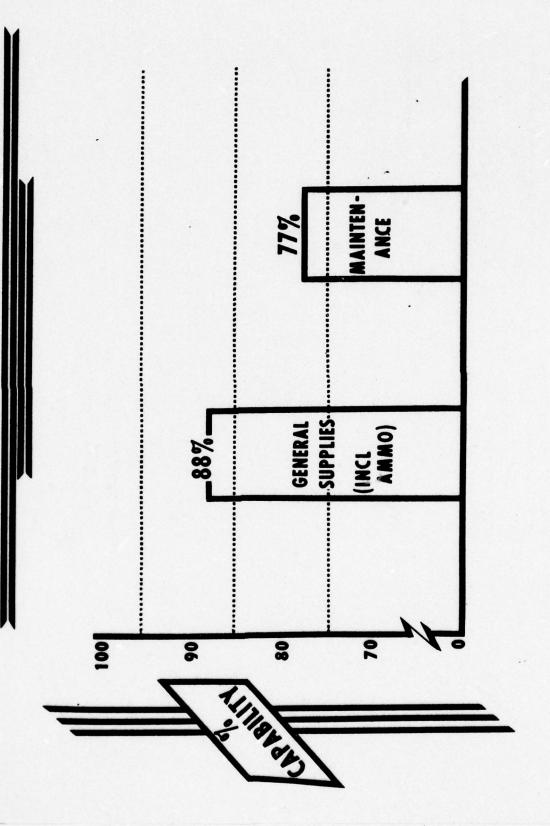
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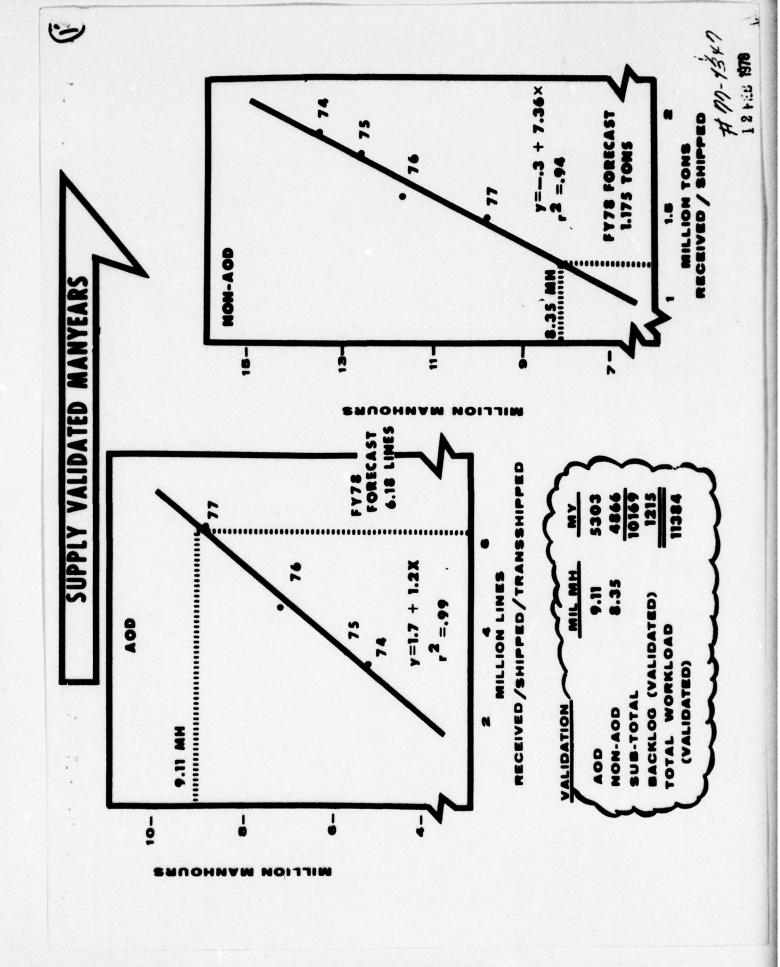
INSTL SUPPORT MANPOWER

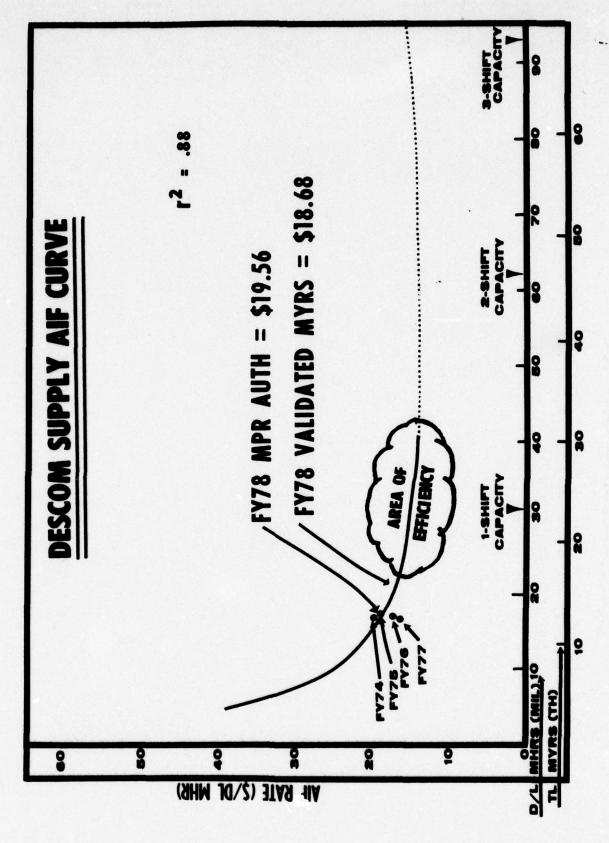
TOTAL

MANPOWER

DESCOM PEACETIME CAPABILITY







18-150

73

81.11E Ste

7501 19920 27421 21937 1005.3 804.2 275.0 730.3 FY78 MAINTENANCE VALIDATED MANYEARS CARRY TOTAL 9 PLANNED 21,937 20 30 MANYEARS (000) AIF TOTAL COST MODEL 5683 MIL PLN MYR AUTH 16,870 600 S578 MIL CEP 1000 200 800 400 MILLION

14/11

3

9

29

18-194

FY78 VALIDATED PEACETIME WORKLOAD

MISSION

VALIDATED MANYEARS

GENERAL SUPPLIES (INCL AMMO)

11,384

MAINTENANCE

8,755

INSTALLATION SUPPORT

(2,868)

FIXED

VARIABLE

OTHER (MISC)

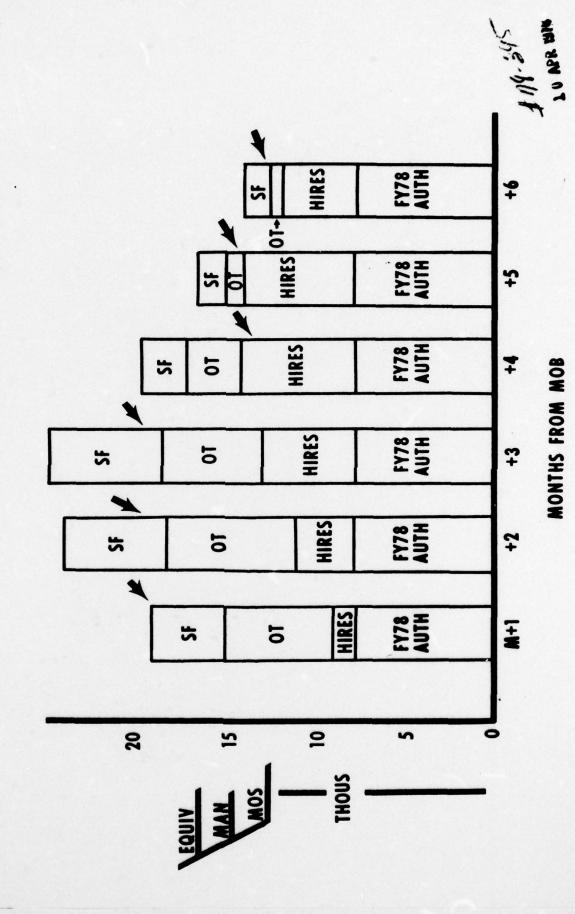
(5,887)

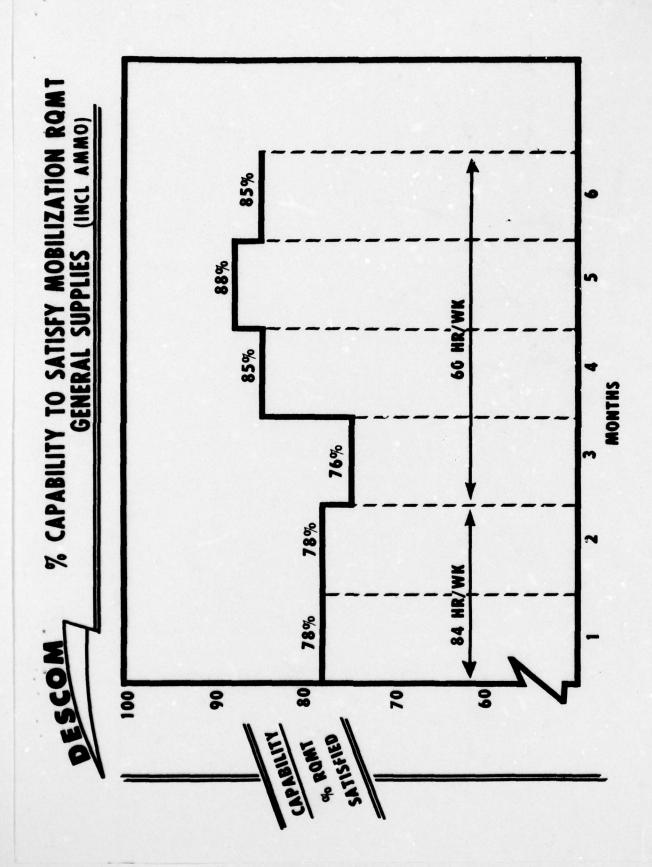
TOTAL =

43,255

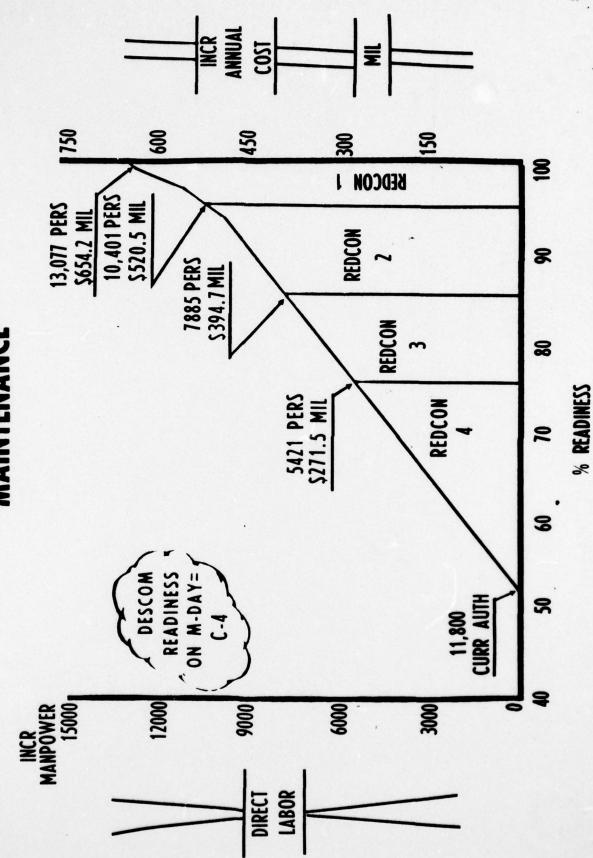
#78-344 BRIATS

MOB REQUIREMENT VS MOB CAPABILITY



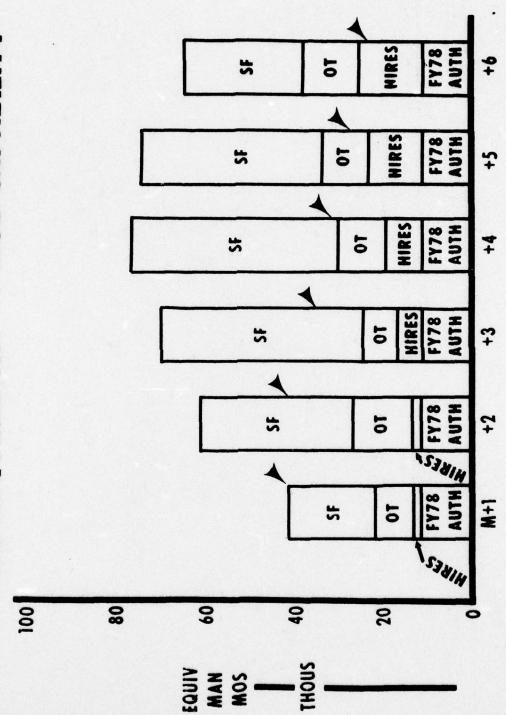


DESCOM - COST OF READINESS - MAINTENANCE



#77-2245-4

MOB REQUIREMENT vs MOB CAPABILITY DESCOM MAINTENANCE



MONTHS FROM MOB

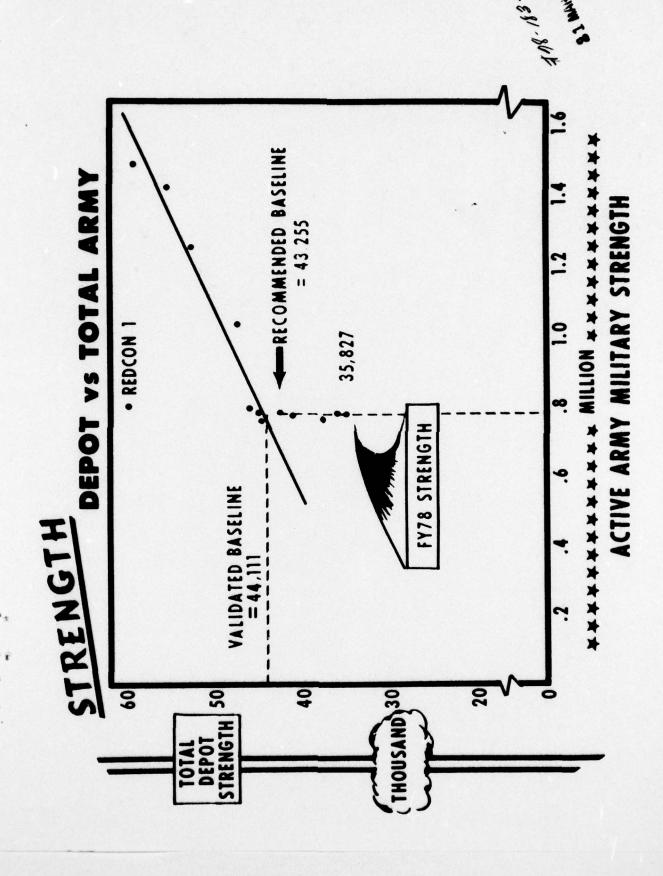
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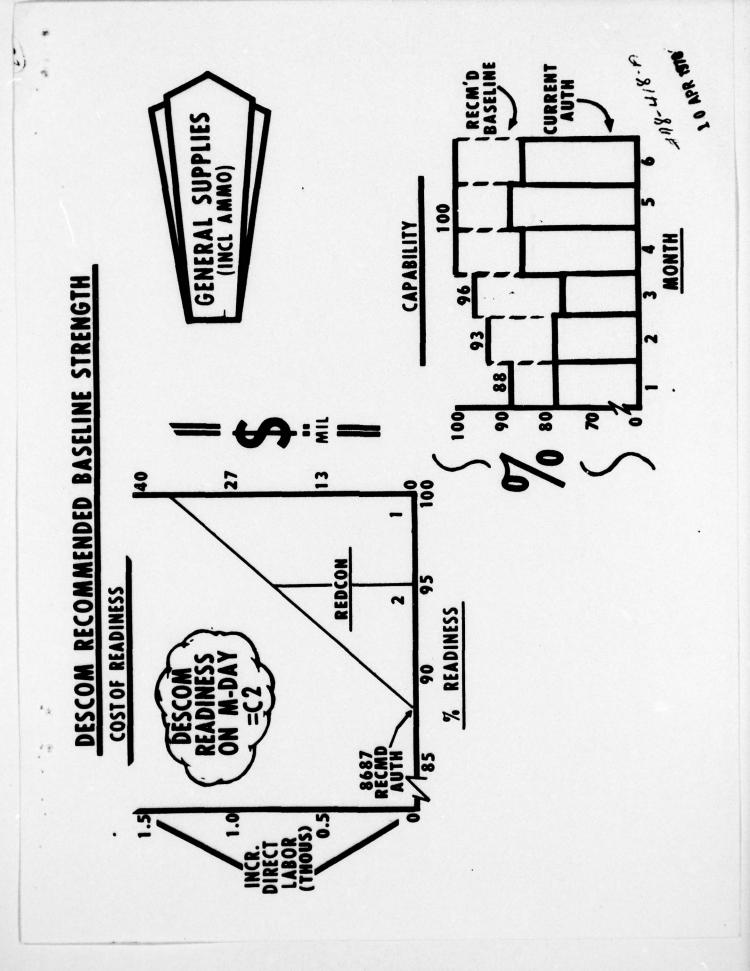
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BASELINE STRENGTH vs FY 78 AUTH

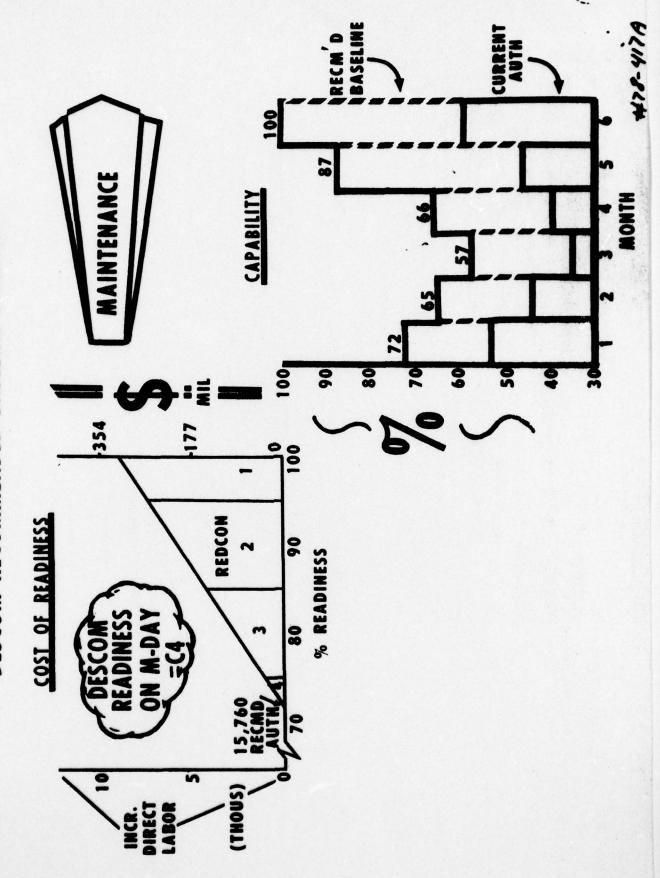
			REDCON 2	(\$2 _: -)	REDCON 1	(1001:3)
	FY 78 AUTH	CURRENT	BASELINE	SHORTFALL	BASELINE	SHORTFALL
SUPPLY	190'01	က	11,021	096	13,078	3,017
MAINT	16,870	•	27,901	11,031	35,154	18,284
INST SPT	7754		9,633	1,879	11,092	3338
OTHER	1142		1,142	0	1,310	168
TOTAL	35,827		49,697	13,870	60,634	24,807

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DESCOM RECOMMENDED BASELINE STRENGTH



ON-GOING ACTIONS

DEVELOP CONTINGENCY PLANS SMOOTH AMMO ROMTS STUDY MHE SHORTFALL IDENTIFY RESERVE/NATIONAL GUARD ROUNDOUT CAPABILITY REFINE MOBILIZATION REQUIREMENTS

ACCELERATE MODERNIZATION TO GAIN PRODUCTIVITY

WORK WITH MRC'S TO DETERMINE COMMERCIAL CONTRACT CAPABILITY

881-80#

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